Vellècle Operation time = 2 hrs. Voltage Reguirement = 480

Jarg = 30A; accounting LFT. increase due; Jarg = 34.5 to which veight

I peak = 47A: accounting 1sty, in awase; I peak = 47A
54.05A

Pay of motor = Iay \times V = 34.5 \times 48 = 1656 to Ptotal = Pay motor + Pother = 1656 + 150 = 1806 w

we know;

Bottery Capacity (Ah) = Prostal X Rusting (hrs.)

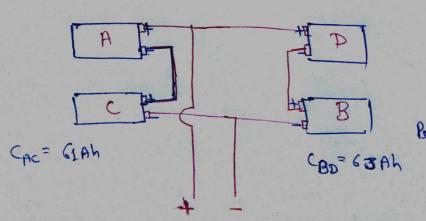
Bottery Voltage X Efficiency

Grun Africency = 827. 20.82

Bottery Capacity = 1806 x 2 91.76 Ah

when , no striple Bottony is of 48V norther have capacity 91.76 Ah so will use combination. Also peak current discharge > 54.05 A.

⇒ An series: Voltage rands up, leak Discharge and Capacity remains some ⇒) An parallel: Voltage remains same, Bak Discharge and Capacity adds up. in series; lower topeak and Cap. is considered.



Volhal = 48V

Capacity = 124 Ah

(> 91.76Ah)

Book Discharge = 114 A

(>54.05A)